

January 8, 2015

Prepared for

Mandatory Pre-Bid Meeting

Marin-Sonoma Narrows, Segment B3 Curve Correction
EA 04-264091

PRESENTATION

By



Mark Thomas & Company

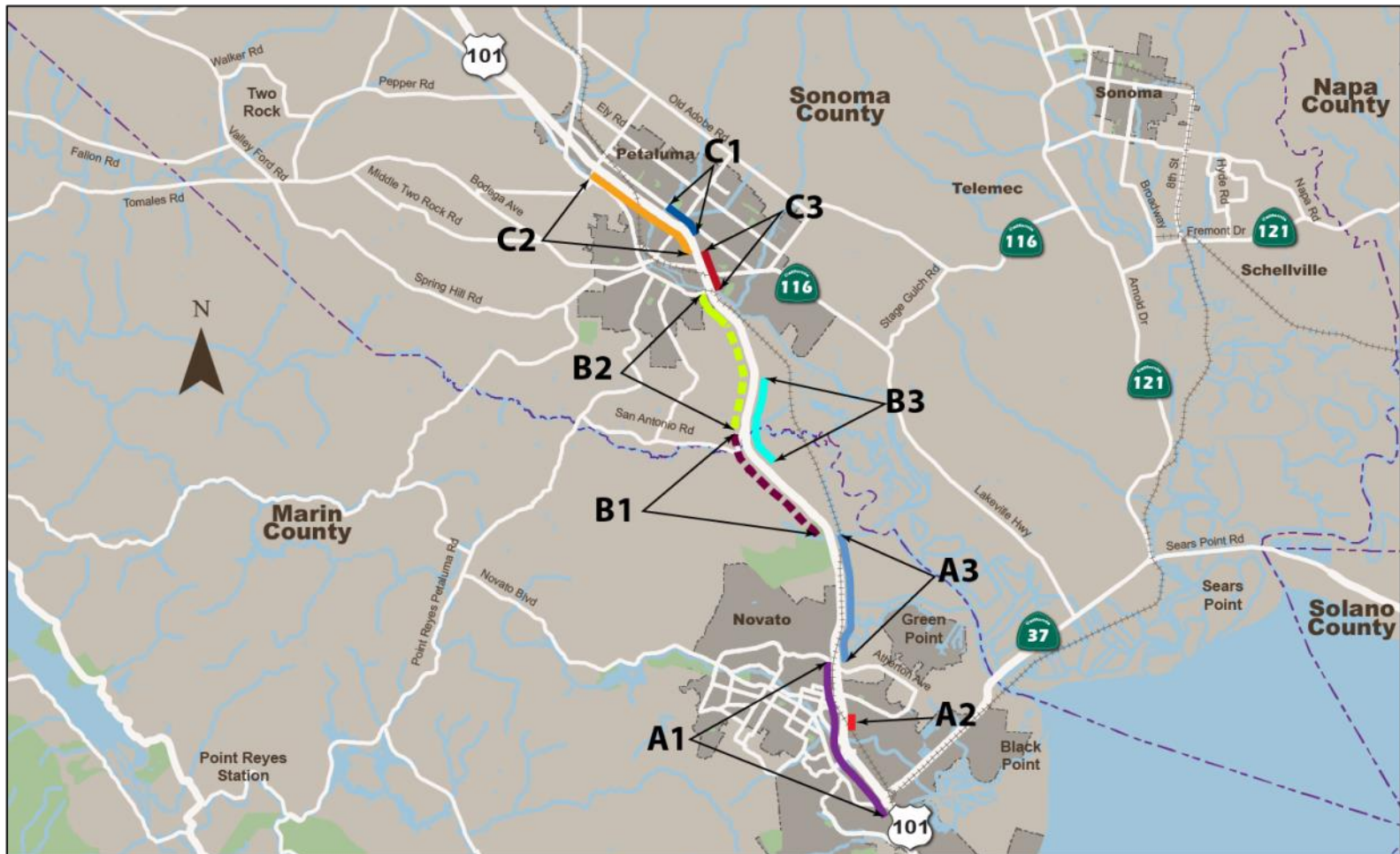


Project Data

- Estimated Project Cost: \$51,000,000
- Project Working Days: 480
- DBE Contract Goal: 8%
- Federal Aid Project No.: ACNHP-Q101(261)N
HPLU21L-6204(120)N
- Bid Opening: Wednesday February 11, 2015



MSN Corridor



Primary Project Objectives

- Correct non-standard horizontal and vertical geometry
- Raise San Antonio Creek Bridge out of floodplain
- Eliminate direct roadway/driveway connections



Project Scope

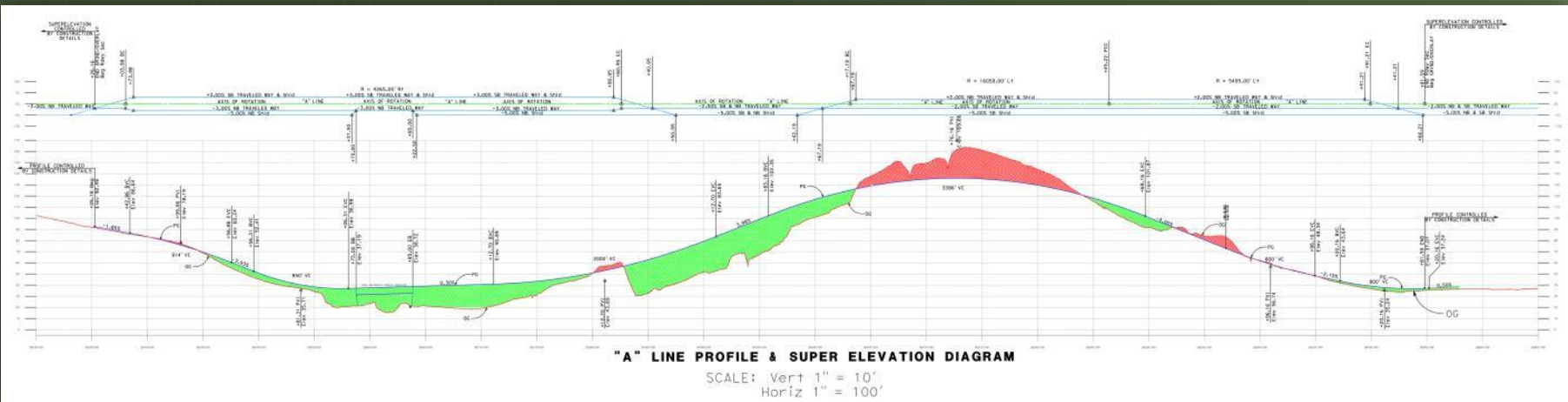
Project Location	US 101 from San Antonio Road South in Marin County to Kastania Road in Sonoma County (PM MRN 26.8/27.6 to PM SON 0.0/2.0)
Length	2.8 Miles of Mainline, 2 miles of Frontage Road
Primary Items of Work	<ul style="list-style-type: none">○ Preliminary Utility Relocation (Under Construction)<ul style="list-style-type: none">• PG&E electrical transmission and distribution pole line relocation• AT&T telephone line relocation to PG&E joint poles• North Marin Water District (NMWD) pipeline relocation○ Highway Construction Package<ul style="list-style-type: none">• Construct NB and SB US 101• Construct San Antonio Creek Bridge• Overlay/construct Frontage Road• Overlay San Antonio Road• Construct Klatte Driveway/San Antonio Road cul de sac• Construct Bike Path• Construct retaining walls• Investigate/relocate Klatte Spring• Relocate PG&E gas distribution



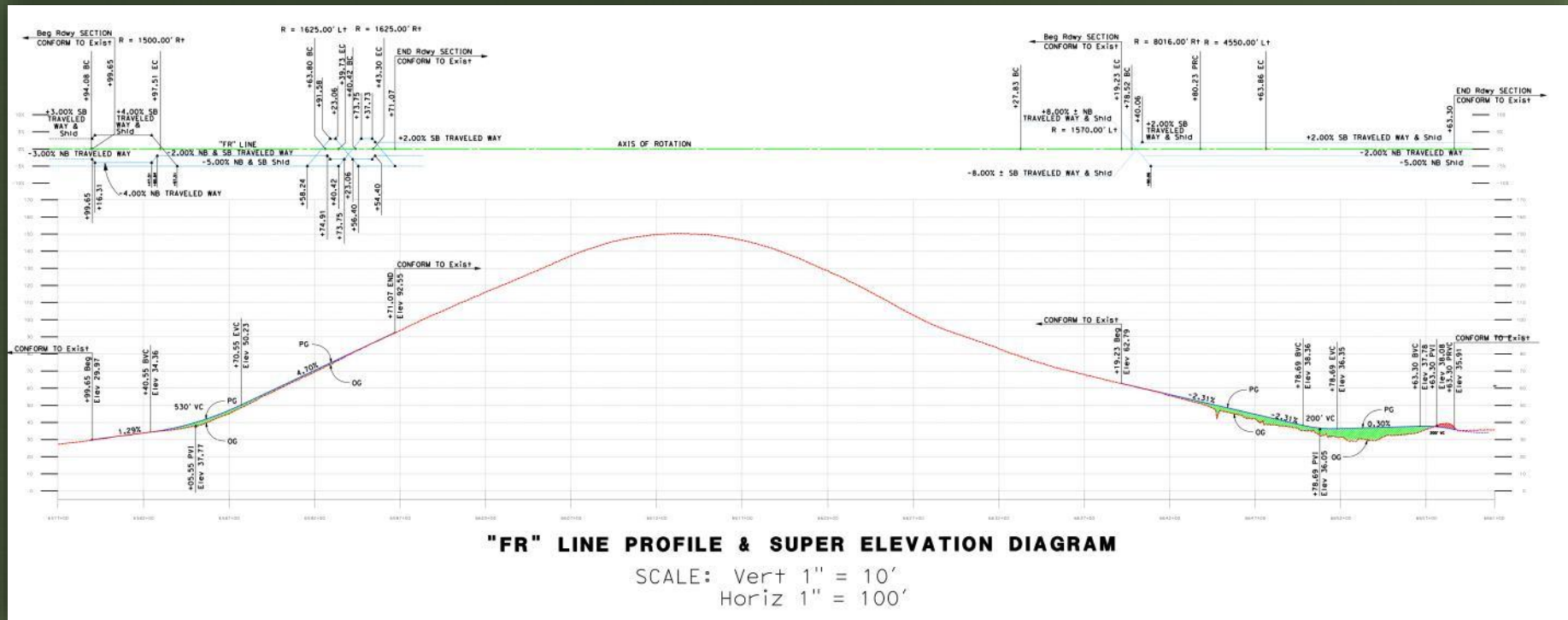
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Project Profile – Frontage Road

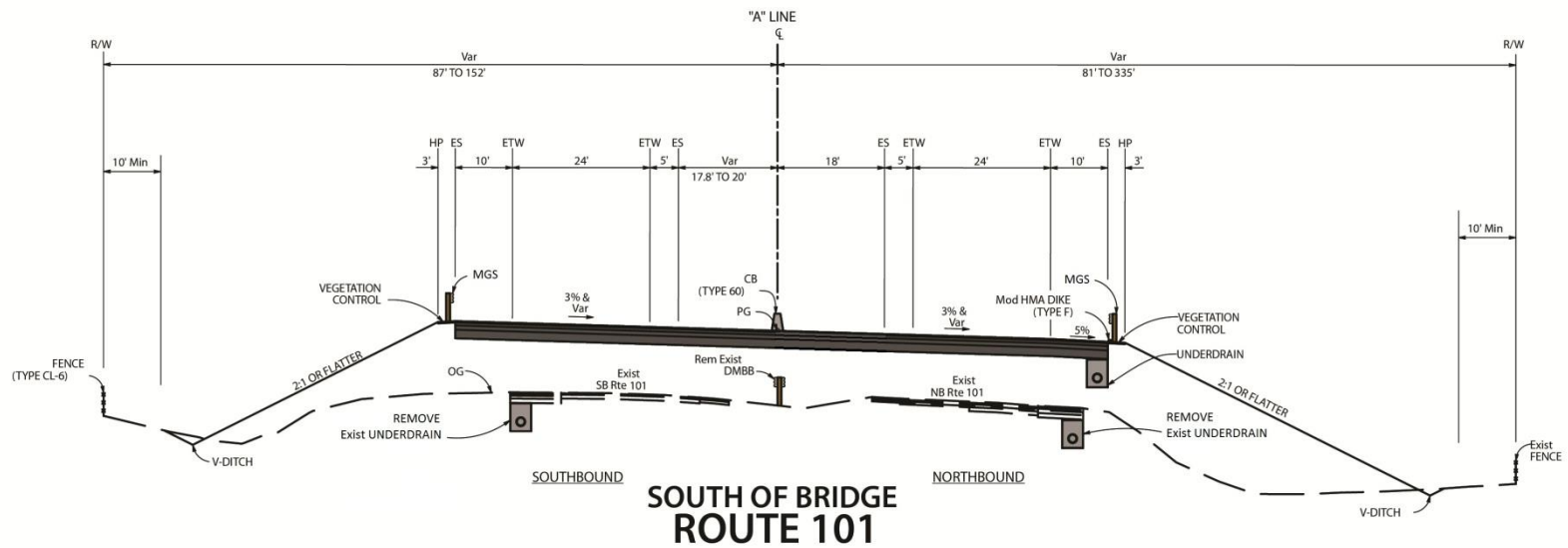


Typical Cross Sections



Marin-Sonoma Narrows, Segment B3 Curve Correction EA 04-264091

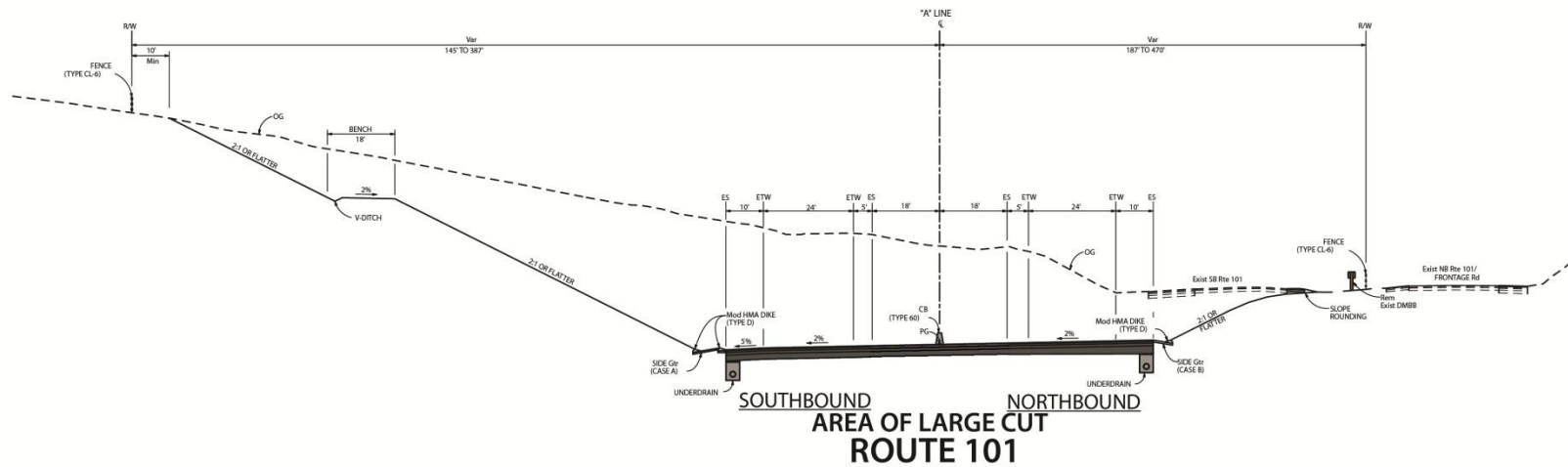
Typical Cross Sections – 1



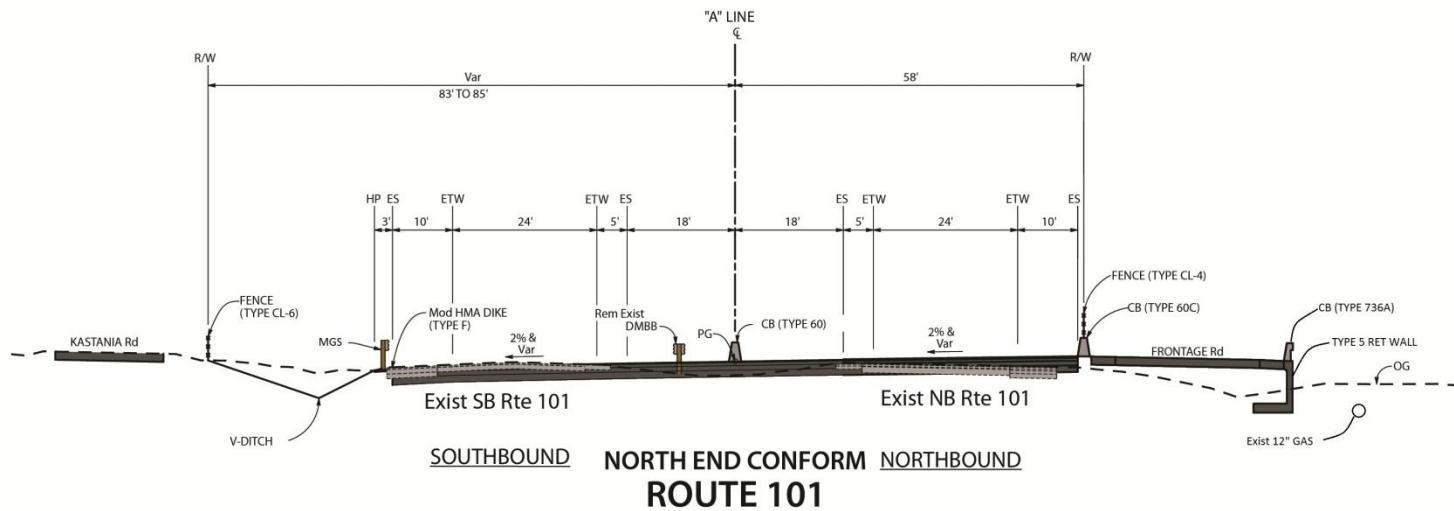
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**SAN ANTONIO CREEK BRIDGE
ROUTE 101**

Typical Cross Sections – 3



Typical Cross Sections – 4

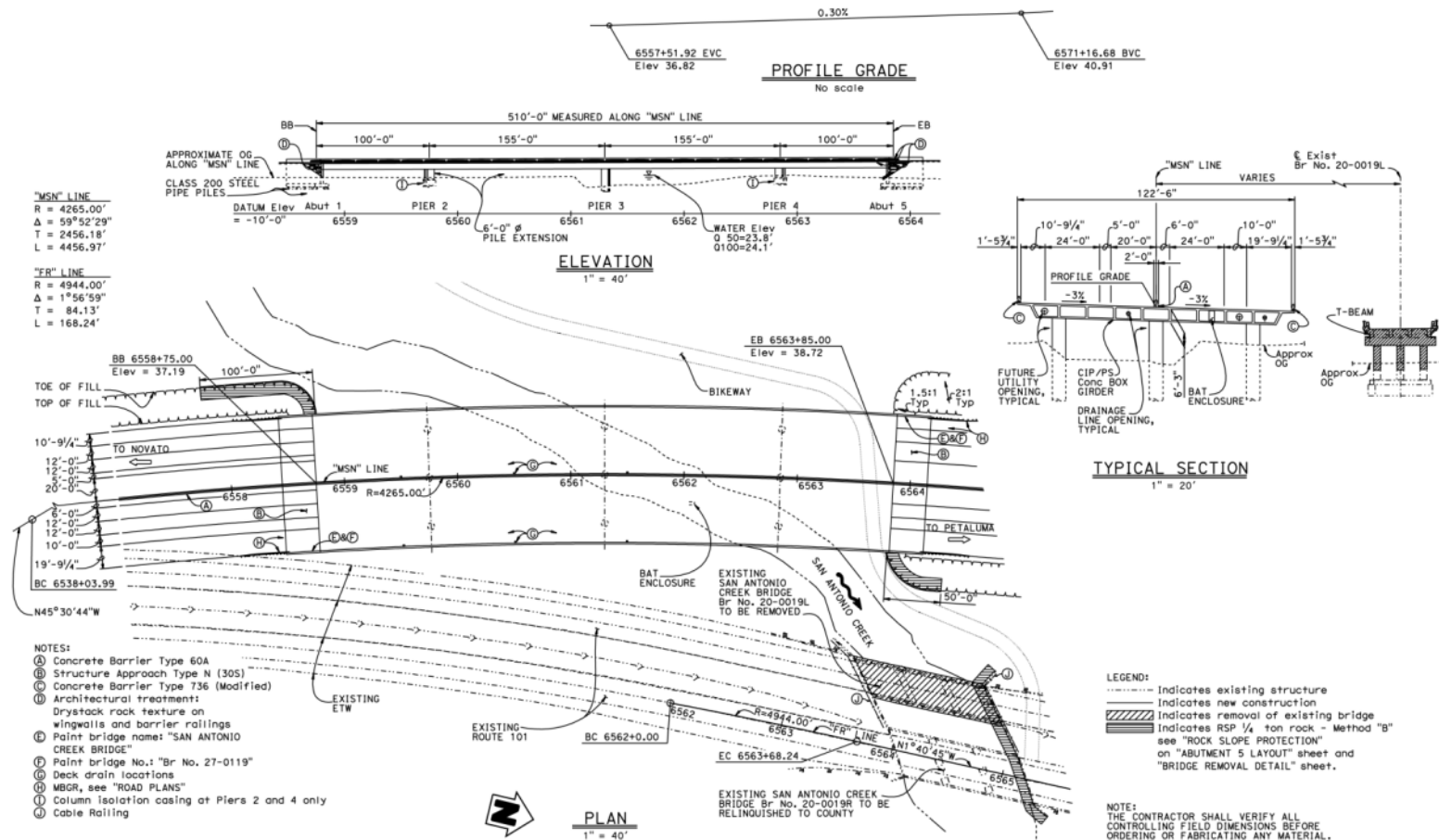


San Antonio Creek Bridge

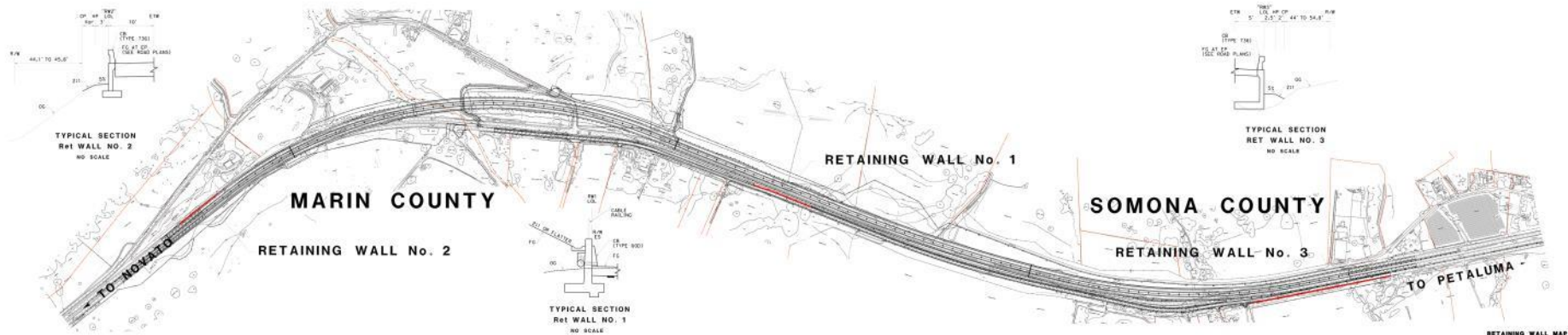


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San Antonio Creek Bridge



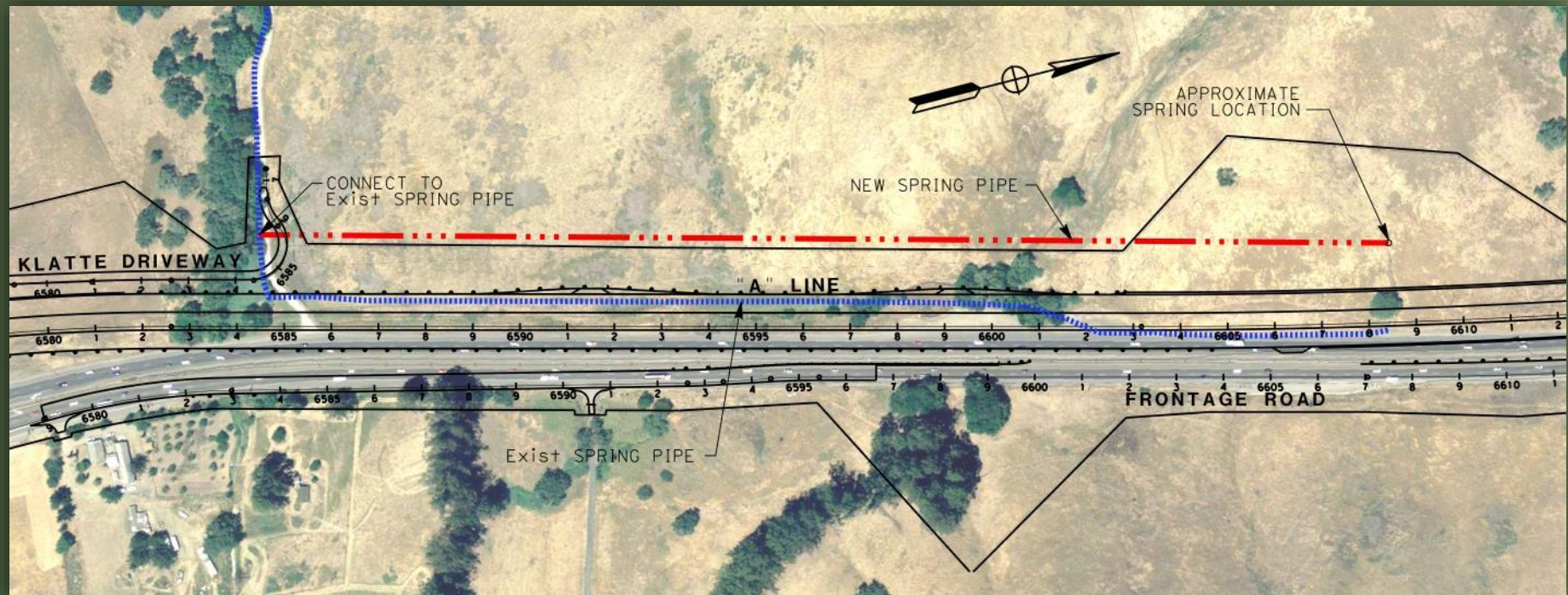
Retaining Walls Layout



Bike Route



Klatte Spring



Aerially Deposited Lead

- ADL exists in the median and up to 15' off the NB and SB shoulders
- ADL is type Y-1 and will be placed in northern bridge embankment per the Variance – above the 100-year floodplain elevation and covered with 1' of clean soil



Utilities

Utilities Relocated Prior to Start of Highway Construction

- North Marin Aqueduct
- PG&E Overhead Power Poles
- AT&T Telephone

Utilities to be Relocated During Construction

- PG&E Gas Distribution



Watermain



Permits

- Regional Water Quality Control Board – Section 401 Permit
- U.S. Army Corps of Engineers – Section 404 Permit
- California Department of Fish and Wildlife – Section 1602 Permit



Staged Construction



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Stage 1A - Layout



- Maintain existing traffic NB and SB
- Detour San Antonio Road Traffic
- Maintain local traffic
- Construct Rammed Aggregate Columns
- Construct Klatte Driveway
- Construct San Antonio Road cul de sac
- Construct median detour pavement
- Construct portion of SB
- Construct San Antonio Creek Bridge
- Construct portion of the Bike Path



Stage 1B - Layout



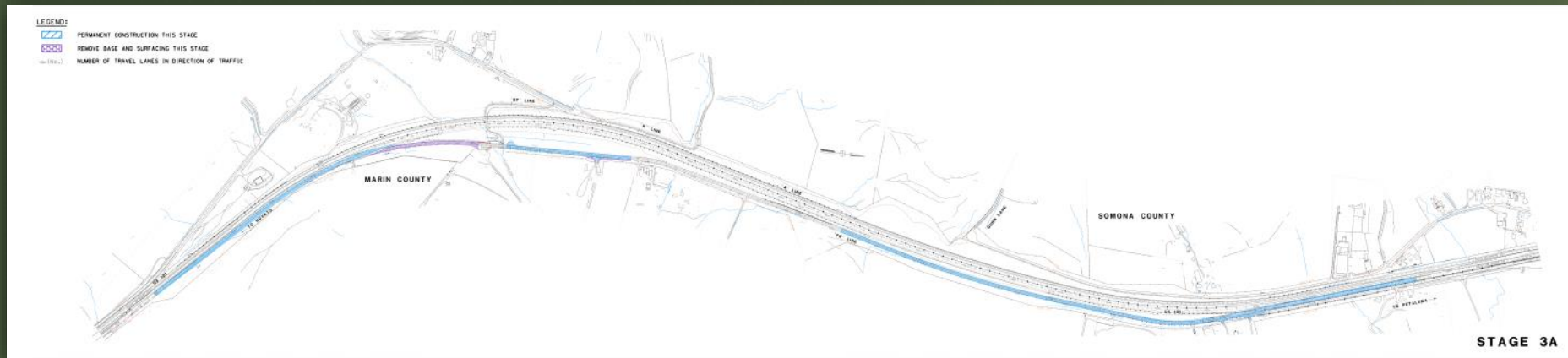
- Maintain Local traffic
- Shift NB traffic onto detour median pavement
- Shift SB traffic onto temp median pavement
- Construct portion of Frontage Road
- Overlay Portion of NB/Frontage Road
- Construct retaining walls 1 and 2
- Construct portion of SB
- Overlay portion of SB

Stage 2 - Layout



- Shift SB traffic onto final SB
- Shift traffic onto Final Frontage Road
- Place detour pavement
- Remove remainder of SB
- Construct portion of NB
- Construct portion of bike path
- Construct portion of median
- Construct portion of barrier
- Construct overhead sign
- Construct portion of Frontage Road
- Construct remainder of SB
- Construct retaining wall 3

Stage 3A - Layout



- Shift NB and SB traffic onto portion of final pavement
- Open Bike Path
- Construct remaining median
- Remove existing SB bridge
- Remove portion of existing NB and SB
- Construct remaining barrier
- Construct remaining NB

Stage 3B - Layout



- Construct remaining median
- Remove existing SB bridge
- Remove portion of existing NB and SB
- Construct remaining barrier
- Construct remaining NB

Project Co-Sponsors

- Transportation Authority of Marin (TAM)
- Caltrans
- Sonoma County Transportation Authority (SCTA)



Bid Inquiries

PLEASE SUBMIT ALL BIDDER INQUIRIES FOR THIS PROJECT, IN WRITING, TO THE WEBSITE BELOW:

http://www.dot.ca.gov/hq/esc/oe/inquiry/bid_inquiries.php

